

MODIS Science Data Support Team (SDST) Meeting Minutes 7/23/93

ATTENDEES: Phil Ardanuy, John Bauernschub, Francesco Bordi, Lloyd Carpenter, Ruiming Chen, John Crocker, Larry Fishtahler, Al Fleig, Tom Goff, Joann Harnden, Paul Hubanks, Ginny Kalb, Ed Masuoka, John Moses, J.J. Pan, Shahin Samadi, Carl Solomon, Lalit Wanchoo

MODIS AIRBORNE SIMULATOR (MAS): Paul Hubanks described plans to semi-automate the MAS processing. Paul also reported on the plan to see if MAS processing can be optimized. Ed Masuoka said that optimization is a low priority, since the processing steps are paced by disk storage and human interaction. Al Fleig would like to create MAS Tape Processing data base which tells all: owner, priority, readiness, schedule, status, as well as what Paul envisions. Ideally, Al would like a multi-color printout where green=OK, red=alarm, yellow=attention. The discussion also touched on the storing (archiving) of ancillary data sets and the furnishing of the team with validation data.

MODIS Shell Design: J. J. Pan reported on the status of MODIS Level 2 Processing Shell Design and Development. Al said not to assume the ATBDs will arrive by 07/30/93. He added that J.J. can work with Ruiming and Carl to test the concept while waiting for the ATBDs.

MODIS LAND PROTOTYPE: Ruiming Chen discussed the status of the MODIS prototyping effort. She noted difficulties with porting software from machine to machine. Al wants us to understand this as a generic problem and to develop the skill needed to port in general. Ed suggested running the program through Q/A C to see which problems are flagged as portability issues. Ed also noted that the problems mentioned were not the result of different compilers but missing libraries during program linking. Ruiming was having difficulty reading the tape supplied by EDC and it was suggested she become familiar with the format of the AVHRR LAC data. She will see Tom Goff regarding a subroutine to use for ingesting the LAC data. There was discussion about the validity of testing future BRDF algorithms using MODIS and MISR data simulated through modeling. Real data from the FIFE and/or BOREAS projects would provide better MODIS BRDF algorithm development.

PGS Toolkit : Tom Goff reported on the comments on the PGS Toolkit Requirements Specification.

ACTION ITEMS:

1. 05/21/93 [John Crocker]. Due Date: 07/30/93. Complete the first draft of the MODIS Operations Concept document. (Tom Goff will contact MCST about their contribution.) STATUS: Open.
2. 05/28/93 [Jim Storey]. Due Date: 07/30/93. Develop a plan and schedule for MODIS geolocation prototyping and testing. STATUS: Open.

3. 06/25/93 [Paul Hubanks & Carl Solomon]. Due Date: 09/03/93. Evaluate the SeaWiFS scheduling algorithm and code to see if it can be applied to MODIS prototyping. STATUS: Open.
4. 06/25/93 [Paul Hubanks]. Due Date: 07/30/93. Get the HDF display software from NCSA and test it on Macintosh computers with the data produced from the MAS software. STATUS: Open.
5. 07/09/93 [Paul Hubanks & Carl Solomon]. Due date: 07/23/93. Develop/outline a plan to automate and optimize the MAS processing. (The plan was included in the handout.) STATUS: Closed.
6. 07/09/93 [Lloyd Carpenter, Carl Solomon]. Due Date: 07/30/93. Develop PERT chart showing tasks, schedules, and resources for the SDST. STATUS: Open.
7. 07/02/93 [John Crocker] Due Date: 08/06/93. Establish a MODIS document management plan. STATUS: Open.
8. 07/02/93 [Lloyd Carpenter] Due Date: 07/23/93. Contact Mathew Schwaller to see if Project is taking care of metadata for ancillary inputs. (The project will take care of metadata which comes with ancillary data. Any requirements we have for metadata must be relayed to the project. These include Version Number, changes in generating software, etc.) STATUS: Closed.
9. 07/02/93 [Ruiming Chen, J.J. Pan] Due Date: 08/20/93. Develop an ancillary data product document. Use information in ATBDs. Identify what data sets are to be used for: generating standard Data Products, validation, and QA. Identify requirements for second choices in ancillary data sets if an investigator fails to get the desired data on a particular day. STATUS: Open.
10. 07/02/93 [Tom Goff] Due Date: 07/30/93. Provide scenarios for the OPs concept about how MODIS will access data from DADS to TLCF. See Ed and Al. STATUS: Open.
11. 07/02/93 [Paul Hubanks] Due Date: 07/30/93. Contact Sherri Calvo about Guide, Directory, and Inventory metadata and try to provide it all to MAS. STATUS: Open.
12. 07/23/93 [Al Fleig] Due Date: 08/13/93. Speak to Steve Unger on simulation data. How is it derived? Is it degraded TM data? STATUS: Open.